

AMENDMENTS TO THE CLAIMS

1. (Original) A compound characterized by having a unit formed from a polysulfide diol and an organic dibasic carboxylic acid or its anhydride, wherein the hydroxyl groups are separated from said polysulfide by at least 2 carbon atoms, having a total of at least about 5 carbon atoms, said polysulfide having from 2 to 8 sulfur atoms.
2. (Original) A compound according to claim 1, wherein said dibasic acid is an organic dicarboxylic acid or anhydride of at least about 2 carbon atoms and said polysulfide diol is aliphatic of from 4 to 40 carbon atoms.
3. (Original) A compound according to claim 2, wherein said polysulfide has from 2 to 4 sulfur atoms.
4. (Original) A compound according to claim 1, wherein said compound is a condensation copolymer.
5. (Original) A compound according to claim 1, wherein said compound is an addition polymer.
6. (Currently amended) A compound having at least one unit of the formula:
$$-\text{ORS}_n\text{R}^1\text{OA}[[\text{O}]]-$$
 or
$$-\text{OAORS}_n\text{R}^1[[\text{O}]]-$$
wherein:
O and S have their normal meaning of oxygen and sulfur;
n is at least 2 and not more than about 8;
R and R¹ are the same or different and are organic divalent radicals, each having from 2 to 20 carbon atoms; and
A is the residue of a dibasic carboxylic acid of from 1 to 40 carbon atoms.

7. (Currently amended) A composition of the formulae:

- (a) $MF_m \underline{O} RS_n R^1 O M^1$; or
- (b) $MZAORS_n R^1 F'_m \underline{O} AZ^1 M^1$,

wherein

O and S have their normal meaning of oxygen and sulfur;

n is at least 2 and not more than about 8;

F is of the formula $-ORS_n R^1 OA[[O]]-$;

F' is of the formula $-OAORS_n R^1 [[O]]-$

m is at least 1;

Z and Z^1 are the same or different and are oxy or amino;

M and M^1 are the same or different and are hydrogen or an organic substituent;

R and R^1 are the same or different and are organic divalent radicals, each having from 2 to 20 carbon atoms; and

A is the residue of a dicarboxylic acid of from 2 to 40 carbon atoms.

8. (Original) A composition according to claim 7, wherein M and M^1 are hydrogen and A is of from 2 to 12 carbon atoms and R and R^1 are aliphatic.

9. (Original) A composition according to claim 7, wherein A is a fatty acid dimer residue and R and R^1 are aliphatic.

10. (Original) A composition according to claim 7, wherein:

M is defined as $W^1 R^2 -$; and

M^1 is defined as $W^2 R^3 -$,

wherein:

R^2 and R^3 are the same or different and are an organic divalent radical having from 2 to 12 carbon atoms; and

W and W^1 are the same or different, and are amino and substituted amino of from about 1 to 6 carbon atoms, hydroxyl, carboxyl, isothiocyanate, isocyanate, oxo-carbonyl, non-oxo-carbonyl, siloxane, silane, cyclocarbonate, active olefin, or active halogen.

11. (Original) A copolymer comprising as a monomer a composition according to claim 7 wherein:

said organic substituent for M is defined as W^1R^2- and for M^1 as W^2R^3- ;

R^2 and R^3 are the same or different and are an organic divalent radical having from 2 to 12 carbon atoms; and

W and W^1 are the same or different, and are amino and substituted amino of from about 1 to 6 carbon atoms, hydroxyl, carboxyl, isothiocyanate, isocyanate, oxo-carbonyl, non-oxo-carbonyl, siloxane, silane, cyclocarbonate, active olefin, or active halogen.

12. (Original) A compound according to claim 11, wherein said polymer is a polyurethane.

13. (Original) A compound according to claim 11, wherein said polymer is a polyether.

14. (Original) A compound according to claim 11, wherein said polymer is a polyester.

15. (Original) A compound according to claim 11, wherein said polymer is an addition polymer.

16. (Original) A copolymer according to claim 11, wherein A is a dicarboxylic acid residue of from 2 to 8 carbon atoms and n is 2 to 4.

17. (Original) A compound according to claim 15, wherein at least one of W and W¹ is hydroxyl.

18. (Original) A compound according to claim 15, wherein at least one of W and W¹ is carboxyl.

19. (Original) A compound according to claim 15, wherein at least one of W and W¹ is an amine.

20. (Currently amended) A compound of the formulae:

(a) MF_mRS_nR¹OM¹; or

(b) MF^l_mAOM¹,

wherein:

F is of the formula -ORS_nR¹OA[[O]]-;

F^l is of the formula -OAORS_nR¹[[O]]-;

m is at least 1;

n is of 2 to 4;

R and R¹ are ethylene;

A is the residue of an aliphatic dicarboxylic acid of from 2 to 40 carbon atoms; and

M and M¹ are H.

21. (Original) A composition resulting from the reaction of the reactants di(hydroxyethyl)disulfide, succinic or adipic acid and dimethylolpropionic acid and an acid catalyst.
22. (Original) An object of a polymer comprising a compound according to claim 1.